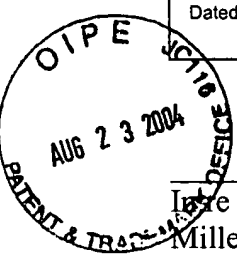


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Dated: 8-20-04 Signature: Maura A. Gallagher  
(Maura A. Gallagher)

Docket No.: SION-P01-001  
(PATENT)



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Patent Application of:  
Miller et al.

Application No.: 10/821812

Confirmation No.: 9060

Filed: April 8, 2004

Art Unit: 2881

For: EXPLOSIVES DETECTION USING  
DIFFERENTIAL ION MOBILITY  
SPECTROMETRY

Examiner: Not Yet Assigned

**INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent,

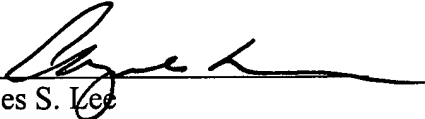
publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 18-1945, under Order No. SION-P01-001.

Dated: August 20, 2004

Respectfully submitted,

By   
Agnes S. Lee

Registration No.: 46,862  
ROPES & GRAY LLP  
One International Place  
Boston, Massachusetts 02110-2624  
(617) 951-7000  
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Attorneys/Agents For Applicant



PTO/SB/08a/b (08-03)

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<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	10/821812
				Filing Date	April 8, 2004
				First Named Inventor	Raanan A. Miller
				Art Unit	2881
				Examiner Name	Not Yet Assigned
Sheet	1	of	4	Attorney Docket Number	SION-P01-001

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code <sup>2</sup> (if known)			
	A1	2,615,135	10/21/52	Glenn, Jr., W.E.	
	A2	2,818,507	12/31/57	Britten, R.J.	
	A3	2,919,348	12/29/59	A. Bierman	
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	A9	4,136,280	01/23/79	Hunt, et al.	
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				Application Number	10/821812
				Filing Date	April 8, 2004
				First Named Inventor	Raanan A. Miller
				Art Unit	2881
				Examiner Name	Not Yet Assigned
Sheet	2	of	4	Attorney Docket Number	SION-P01-001

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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)				
	B1	SU 966583	10/15/1982	Gorshkov, M.P.		
	B2	SU 1337934A2	09/15/1987	Buryakov, I.		
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	B7	WO 00/08454	02/17/2000	National Research Council Canada		
	B8	WO 00/08455	02/17/2000	National Research Council Canada		
	B9	WO 00/08456	02/18/2000	National Research Council Canada		
	B10	WO 00/08457	02/19/2000	National Research Council Canada		
	B11	WO 01/08197A1	02/01/2001	National Research Council Canada		
	B12	WO 01/22049A2	03/29/2001	Haley, L., et al.		
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	B15	WO 01/69647 A2	09/20/2001	National Research Council Canada		
	B16	WO 02/071053 A	09/09/2002	The Charles Stark Draper Lab		
	B17	WO 02/083276 A1	10/24/02	The Charles Stark Draper Lab		
	B18	WO 03/005016 A1	1/16/03	Sionex Corporation		
	B19	WO 03/015120 A1	2/20/03	Sionex Corporation		
	B20	WO 97/38302	10/16/1997	Mine Safety Applicances		

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				First Named Inventor	Raanan A. Miller
				Art Unit	2881
				Examiner Name	Not Yet Assigned
Sheet	3	of	4	Attorney Docket Number	SION-P01-001

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	C1	"A Micromachined Field Driven Radio Frequency-Ion Mobility Spectrometer for Trace Level Chemical Detection," A Draper Laboratory Proposal Against the "Advanced Cross-Enterprise Technology Development for NASA Missions," Solicitation, NASA NRA 99-OSS-05.	
	C2	BARNETT, D.A. et al., "Isotope Separation Using High-Field Asymmetric Waveform Ion Mobility Spectrometry," Nuclear Instruments & Methods in Physics Research (2000), pp 179-185, 450(1).	
	C3	BASILE, F., "A Gas Sample Pre-concentration Device Based on Solid Phase Microextraction (SPME) and Temperature Programmed Desorption (TPD)," Instrumentation Sci. Tech., (2003), pp 155-164, 31(2).	
	C4	BURYAKOV, I.A. et al., "A New Method of Separation of Multi-Atomic Ions by Mobility at Atmospheric Pressure Using a High-Frequency Amplitude-Asymmetric Strong Electric Field," International Journal of Mass Spectrometry and Ion Processes (1993), pp 143-148, 128.	
	C5	BURYAKOV, I.A. et al., "Drift Spectrometer for the Control of Amine Traces in the Atmosphere," J. Analytical Chem., (1993), pp 156-165, 48(1).	
	C6	BURYAKOV, I.A. et al., "Separation Ions According to Mobility in a Strong ac electric Field," Sov. Tech. Phs. Lett. (1991), pp 446-447, 17(6).	
	C7	BURYAKOV, I.A. et al., Device and Method For Gas Electrophoresis, Chemical Analysis fo Environment, edit. Prof. V.V. Malakhov, Novosibirsk; Nauka (1991), pp 113-127.	
	C8	CARNAHAN, B. et al., "Field Ion Spectrometry - A New Analytical Technology for Trace Gas Analysis," ISA, (1996), pp 87-96, 51(1).	
	C9	CARNAHAN, B. et al., "Field Ion Spectrometry - A New Technology for Cocaine and Heroin Detection," SPIE, (1997), pp 106-119, 2937.	
	C10	GUEVREMONT, R. and PURVES, R., "High Field Asymmetric Waveform Ion Mobility Spectrometry-Mass Spectrometry: An Investigation of Leucine Enkephalin Ions Produced by Electrospray Ionization," J. Am. Soc. Mass. Spectrom., (1999), pp 492-501, 10.	
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	C12	GUEVREMONT, R. et al., "Atmospheric Pressure Ion Focusing in a High-Field Asymmetric Waveform Ion Mobility Spectrometer," Review of Scientific Instruments, (1999), pp 1370-1383, 70(2).	
	C13	HANDY, R. et al., "Determination of nanomolar levels of perchlorate in water by ESI-FAIMS-MS," JAAS (2000), pp 907-911, 15	
	C14	KRYLOV, E.V., "A Method of Reducing Diffusion Losses in a Drift Spectrometer," Technical Physics, (1999), pp 113-16, 4d(1).	
	C15	KRYLOV, E.V., "Pulses of Special Shapes Formed on a Capacitive Load," Instruments and Experimental Techniques, (1997), pp 628, 40(5).	
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	C18	PHILLIPS, M., "Method for the Collection and Assay of Volatile Organic Compounds in	

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				Application Number	10/821812
				Filing Date	April 8, 2004
				First Named Inventor	Raanan A. Miller
				Art Unit	2881
				Examiner Name	Not Yet Assigned
Sheet	4	of	4	Attorney Docket Number	SION-P01-001

		Breath," Analytical Biochemistry, (1997), pp 272-278, 247.	
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	C20	RIEGNER, D.E. et al., "Qualitative Evaluation of Field Ion Spectrometry for Chemical Warfare Agent Detection," Proceedings of the ASMS Conference on Mass Spectrometry and Allied Topics (June, 1997), pp 473A-473B.	
	C21	SCHNEIDER, A. et al., "High Sensitivity GC-FIS for Simultaneous Detection of Chemical Warfare Agents," Mine Safety Appliances Co., Pittsburgh, PA, USA, (2000), AT-Process, pp 124-136, 5(3,4), CODEN: APJCFR ISSN: 1077-419X..	
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	C23	EICEMAN, et al., "Miniature radio-frequency mobility analyzer as a gas chromatographic detector for oxygen-containing volatile organic compounds, pheromones and other insect attractants," J. Chrom., pp 205-217, 917 (2001).	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>Applicant is to place a check mark here if English language Translation is attached.

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Application No. (if known): 10/821812

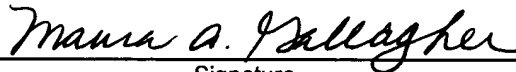
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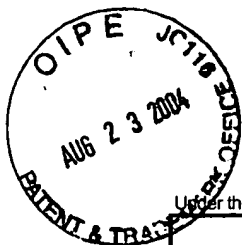
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<b>TRANSMITTAL FORM</b>  (to be used for all correspondence after initial filing)	Application Number	10/821812
	Filing Date	April 8, 2004
	First Named Inventor	Raanan A. Miller
	Art Unit	2881
	Examiner Name	Not Yet Assigned
Total Number of Pages in This Submission	Attorney Docket Number	SION-P01-001

**ENCLOSURES (Check all that apply)**

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input checked="" type="checkbox"/> Information Disclosure Statement (2 pages) <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____	<input type="checkbox"/> After Allowance communication to Technology Center (TC) <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): IDS Form SB/08 (4 Pages) References (42) (B1-B20, C1-C23) Return Receipt Postcard
<b>Remarks</b>		

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

Firm or Individual name	ROPES & GRAY LLP Agnes S. Lee - 46,862
Signature	
Date	August 20, 2004

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